

24. A product comprising:
instructions operational when executed by a processor to direct the processor
to
receive drive gain inputs from a Coriolis meter and process the drive gain
5 inputs,
process the drive gain inputs to determine the existence of multiphase flow
through said Coriolis flowmeter by comparing said drive gain inputs against a
threshold value indicative of multiphase flow, and
providing outputs including a historical density value not representative of
10 actual density measurements for the duration of said multiphase flow; and
a storage medium operational to store said instructions.

REMARKS

In an office action dated 16 August 2000, the Examiner rejects claims 1-23 and objects to the specification and drawings. Applicant amends claims 1-5,7,9-12, 14 and 19 and cancels claims 6, 13, and 18. Applicant respectfully traverses the 35 USC § 102 rejection and requests that this application be allowed.


Amended claim 1 recites "means... for outputting a corrected density value." U.S. patent No. 5,804,741 issued to Freeman does not teach determining a corrected density value in response to detecting a multi-phase flow. Freeman teaches an improved transmitter for detecting flow rate. There is no mention of determining multi-phase flow in Freeman nor does Freeman teach determining a corrected density value for the flowing material. Therefore, amended claim 1 is new and non-obvious in light of Freeman and Applicant respectfully requests that amended claim 1 be allowed.

Claim 14 is allowable for at least the same reasons as claim 1 and is therefore also allowable. Claims 2-5 and 7-12 are allowable as dependent upon an allowable claim 1 and are likewise allowable. Claims 17, and 19-23 are allowable as being dependent upon claim 14. For this reason, applicant requests that the application be allowed.

If the Examiner has any questions about this application, the Examiner is invited to call the undersigned.

Respectfully submitted,

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